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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Cairns *et al.*

Serial No.: 10/800,167

Patent Pending

Filed: March 12, 2004

Group Art Unit: 2631

For: Method and Apparatus for Parameter Estimation  
in a Generalized RAKE Receiver

Confirmation No.: 9086

MAIL STOP AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA. 22313-1450

Sir:

**INFORMATION DISCLOSURE STATEMENT**

In accordance with 37 C.F.R. 1.56, counsel wishes to make of record the attached items of information for the Examiner's consideration in connection with this application. Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office mailed October 26, 2004, which is less than 3 months from this filing. Also enclosed are Forms PTO/SB/08A and PTO/SB/08B for the Examiner's convenience in making such consideration of record. Inclusion herein of any particular item of information is not to be construed as an admission that same is prior art.

**The Commissioner is hereby authorized to charge any fees that may be required or credit any overpayment to Deposit Account 18-1167.**

Respectfully submitted,

David E. Bennett

Registration No. 32,194

Date: November 8, 2004  
File No.: 4015-5161

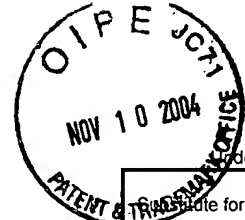
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Name of Depositor Karen S. Schuller Signature *Karen Schuller* Date of Signature November 8, 2004



<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/800167
				Filing Date	March 12, 2004
				First Named Inventor	Cairns
				Art Unit	2631
Sheet	1	of	2	Examiner Name	
				Attorney Docket Number	4015-5161/P18204-US1

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	1	EP 1392000 A1	02-25-2004	Ericsson Inc.		

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/800167
				Filing Date	March 12, 2004
				First Named Inventor	Cairns
				Art Unit	2631
				Examiner Name	
Sheet	2	of	2	Attorney Docket Number	4015-5161/P18204-US1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate) title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	2	TANTIKOVIT et al., "Joint Multipath Diversity Combining and MLSE Equalization (Rake-MLSE Receiver) for WCDMA Systems," 51 <sup>st</sup> IEEE Vehicular Technology Conference Proceedings, May 15, 2000, pp. 435-439, Vol. 1 of 3.	
	3	TANTIKOVIT et al., "On Combining Schemes for W-CDMA RAKE Reception in the Presence of Interpath Interference," 3 <sup>rd</sup> IEEE Signal Processing Workshop on Signal Processing Advances in Wireless Communications, March 20, 2001, pp. 5-8.	
	4	TANTIKOVIT et al., "A Unified View of RAKE Reception and Its Application on Receiver Designs for Multimedia Capable Mobile Terminals in W-CDMA," IEICE Trans. Commun., October 2002, pp. 1944-1*56, Vol. E85-B, No. 10.	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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